

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please cancel claims 1- 10 and add new claims 11-26 in accordance with the following:

Claims 1-10 (cancelled)

11. (new) A communications system comprising:

a fixed-network communication network;

a mobile radio communication network;

a mobile radio network/fixed network interface computer which is connected to the fixed-network communication network and to the mobile radio communication network for mapping a data stream between the fixed-network communication network and the mobile radio communication network;

a superpeer host computer which is connected to the mobile radio network/fixed network interface computer; and

a peer-to-peer message filter, disposed in the mobile radio communication network, the peer-to-peer message filter being supplied with peer-to-peer messages from the mobile radio communication network, the peer-to-peer message filter detecting the peer-to-peer messages and supplying the peer-to-peer messages to the superpeer host computer.

12. (new) The communication system according to claim 11, wherein the fixed-network communication network operates based on an Internet protocol.

13. (new) The communication system according to claim 11, wherein the superpeer host computer is part of the mobile radio communication network.

14. (new) The communication system according to claim 11, wherein the mobile radio communication network is a third- or subsequent-generation mobile radio system.

15. (new) The communication system according to claim 14, wherein the mobile radio communication network operates according to one of the following mobile radio communication platforms:

Universal Mobile Telecommunications System (UMTS), and
Future Public Land Mobile Telephone System (FPLMTS).

16. (new) The communication system according to claim 11, wherein the mobile radio communication network operates in accordance with Groupe Speciale Mobile (GSM) platform.

17. (new) The communication system according to claim 15, wherein
the mobile radio communication network operates based on the Universal Mobile Telecommunications System (UMTS) platform, and
the mobile radio network/fixed network interface computer is a Gateway GPRS Support Node (GGSN) computer.

18. (new) The communication system according to claim 11, further comprising an installation mechanism to trigger installation of peer-to-peer service in the superpeer computer when the frequency of demand for the peer-to-peer service reaches a threshold value.

19. (new) The communication system according to claim 12, wherein the superpeer host computer is part of the mobile radio communication network.

20. (new) The communication system according to claim 19, wherein the mobile radio communication network is a third- or subsequent-generation mobile radio system.

21. (new) The communication system according to claim 20, wherein the mobile radio communication network operates according to one of the following mobile radio communication platforms:

Universal Mobile Telecommunications System (UMTS), and
Future Public Land Mobile Telephone System (FPLMTS).

22. (new) The communication system according to claim 19, wherein the mobile radio communication network operates in accordance with Groupe Speciale Mobile (GSM) platform.

23. (new) The communication system according to claim 21, wherein the mobile radio communication network operates based on the Universal Mobile Telecommunications System (UMTS) platform, and the mobile radio network/fixed network interface computer is a Gateway GPRS Support Node (GGSN) computer.

24. (new) The communication system according to claim 23, further comprising an installation mechanism to trigger installation of peer-to-peer service in the superpeer computer when the frequency of demand for the peer-to-peer service reaches a threshold value.

25. (new) A computer for peer-to-peer message communication between a mobile radio network and a fixed network communication network, comprising:

a peer-to-peer message filter to receive peer-to-peer messages from the mobile radio communication network, detect the messages and supply the messages to a superpeer computer; and

mapping means to map peer-to-peer messages between the mobile radio network and the fixed network communication network.

26. A method for processing a peer-to-peer message in a communication system comprising:

detecting a mobile radio peer-to-peer message with a computer comprising a peer-to-peer message filter disposed in a mobile radio communication network;

mapping the mobile radio peer-to-peer message to a protocol used in a fixed network;

transmitting the mobile radio peer-to-peer message to a superpeer computer connected to a mobile radio network/fixed network interface computer; and

processing the mobile radio peer-to-peer message by the superpeer computer.